



# SAFETY DATA SHEET

This Safety Data Sheet complies with Annex II of 830/2015 amending EC No. 1907/2006, CLP directive 1272/2008, also in accordance with ISO 11014-1 and ANSI Z400.1

## PROTEX EXTRA

Issued: 2017-01-14

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Trade name** PROTEX EXTRA

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Not applicable

#### 1.3. Details of the supplier of the safety data sheet

**SDS created by** TDS Team

**Supplier** ESAB DENTON

**Street address** 2800 Airport Road  
Denton, TX 76207

**Telephone** 1-800-372-2123

**Email** sdsrequest@esab.com

**Web site** www.esab.com

#### 1.4. Emergency telephone number

**Emergency phone number** 1-800-372-2123

**Available outside office hours** No

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The product is not classified

#### 2.2. Label elements

The product do not require labeling

#### 2.3. Other hazards

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

**Substance additional information** Several ingredients are present in concentrations below 1%; none of these are reproductive effectors, mutagens, carcinogens, or sensitizers.



## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact** Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

**Eye contact** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion** Do not induce vomiting. Drink water. Call physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Not applicable

### 4.3. Indication of any immediate medical attention and special treatment needed

Not applicable

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** water

### 5.2. Special hazards arising from the substance or mixture

carbon oxides Nitrogen smoke hydrocarbon fragments

### 5.3. Advice for firefighters

Not applicable

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear hand, head, eyes, ear and body protection like welders gloves, helmet or face shield with filter lens, safety boots, apron, arm and shoulder protection. Keep protective clothing clean and dry.

### 6.2. Environmental precautions

Prevent further leakage or spillage.

### 6.3. Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4. Reference to other sections

Not applicable



## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Preventive handling precautions** No special technical protective measures required.

### 7.2. Conditions for safe storage, including any incompatibilities

Not applicable

### 7.3. Specific end use(s)

Not applicable

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure limits** OSHA PEL (ppm): Ethanolamine = 3, ACGIH TLV (ppm): Ethanolamine = 3

### 8.2. Exposure controls

**Eye / face protection** safety glasses with side-shields

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Clear pink liquid

**Appearance, colour** Pink

**Appearance, physical state** Not applicable

**Auto-ignition temperature** Not applicable

**Boiling point** 100 ° C

**Decomposition temperature** Not applicable

**Evaporation rate** Not applicable

**Explosive properties** Not applicable

**Flammability (solid, gas)** Not applicable

**Flash point** Not applicable

**Freezing point** 0 ° C

**Initial boiling point and boiling range** Not applicable

**Melting point / freezing point** Not applicable



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<b>Odour</b>	Not applicable
<b>Odour treshold</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>Partition coefficient: n-octanol / water</b>	Not applicable
<b>pH</b>	Not measured - slightly alkaline
<b>pH value</b>	Not applicable
<b>Relative density</b>	Not applicable
<b>Solubility</b>	Not applicable
<b>Solubility in water</b>	Complete
<b>Upper / lower flammability or explosive limits</b>	Not applicable
<b>Vapour density</b>	0.6 (water)
<b>Vapour pressure</b>	Not applicable
<b>Viscosity</b>	Not measured - thin mobile liquid

Specific Gravity: 1.0 (20/20 degrees Celcius)

### 9.2. Other information

Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	Stable under recommended storage conditions.
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### 10.2. Chemical stability

<b>Chemical stability</b>	No decomposition if stored normally.
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### 10.3. Possibility of hazardous reactions

Not applicable

### 10.4. Conditions to avoid

Not applicable

### 10.5. Incompatible materials

Not applicable



### 10.6. Hazardous decomposition products

Not applicable

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Information on toxicological effects</b>	Inhalation of welding fumes and gases can be dangerous to your health. Classification of welding fumes is difficult because of varying base materials, coatings, air contamination and processes. The International Agency for Research on Cancer has classified welding fumes as possibly carcinogenic to humans (Group 2B).
<b>Acute toxicity</b>	Overexposure to welding fumes may result in symptoms like metal fume fever, dizziness, nausea, dryness or irritation of the nose, throat or eyes.
<b>Skin corrosion/irritation</b>	Mild skin irritation
<b>Serious eye damage/irritation</b>	May irritate eyes.
<b>Respiratory/skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Genotoxicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Repeated dose toxicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available
<b>LD50 Oral</b>	94,000 mg/kg (rat)
<b>LD50 Dermal</b>	>200,000 mg/kg (rabbit)
<b>LC50 Inhalation</b>	No data available
<b>Routes of exposure</b>	No data available
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	No data available
<b>Mixture versus substance information</b>	No data available
<b>Delayed and immediate effects as well as chronic effects from short and long-term exposure</b>	No data available



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**Interactive effects** No data available

**Toxicity in case of skin contact** No data available

**Absence of specific data** No data available

**Toxicity in case of eye contact** No data available

**Mixtures** No data available

**Toxicity in case of ingestion** No data available

### Other

**Acute effects** No data available

**Long term effect** Chronic toxicity: Overexposure to welding fumes may affect pulmonary function.

**Information to doctor** No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

**Acute toxicity** No data available

**Toxicity** No data available

**Aquatic** No data available

**Soil** No data available

**Acute fish toxicity** No data available

**Acute algae toxicity** No data available

**Acute crustacean toxicity** No data available

**Chronical toxicity** No data available

### 12.2. Persistence and degradability

**Persistence and degradability** No data available

**Decay/transformation** No data available

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available

### 12.4. Mobility in soil

**Mobility** Water solubility 12.4. Mobility in soil



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### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available

### 12.6. Other adverse effects

**Other adverse effects** No data available

### Other

Welding consumables and materials could degrade/weather into components originating from the consumables or from the materials used in the welding process. Avoid exposure to conditions that could lead to accumulation in soils or groundwater.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal considerations** Discard any product, residue, disposable container or liner in an environmentally acceptable manner, in full compliance with federal and local regulations. Use recycling procedures if available. May be flushed to the sanitary sewer after dilution  
USA RCRA: This product is not considered hazardous waste if discarded.  
Residues from welding consumables and processes could degrade and accumulate in soils and groundwater.

## SECTION 14: Transport information

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable



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## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006  
Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)  
DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL. of 19 November 2008. on waste and repealing certain Directives.  
European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.



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### Other regulations, limitations and legal regulations

#### Poland Regulations:

ACT of 25 February 2011 on the chemical substances and their mixtures(OJ # 63, poz. 322).

Regulation of the Minister of Labour and Social Policy of 6 June 2014 on Maximum Permissible Concentration and Intensity of Agents Harmful to Health in the Working Environment (Dz. u. z. 2014, poz 817).

The Act on Waste of 14 December 2012, Journal of Laws of 2013, item 21 with amendments

Act of 13th June 2013 on packaging management and packaging waste (Journal of Laws of 2013, item 888).

Regulation of the Minister of the Environment of 9 December 2014 on waste catalogue (Journal of Laws of 2014, item 1923).

Regulation of the Minister of Economy of 21 December 2005. Concerning essential requirements for personal protective equipment (Journal. Laws No. 259, item. 2173).

Regulation of the Minister of Health of 2 February 2011 on tests and measurements of factors harmful to health in the working environment (the Journal of Laws 2011, no. 33, item 166).

#### USA Regulations :

USA: This product contains or produces a chemical known to the state of California to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5 et seq.)

CERCLA/SARA Title III Reportable Quantities (RQs) and/or Threshold Planning Quantities (TPQs): Product is a solid solution in the form of a solid article. Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center and to your Local Emergency Planning Committee.

EPCRA/SARA Title III 313 Toxic Chemicals: The following metallic components are listed as SARA 313 "Toxic Chemicals" and potential subject to annual SARA 313 reporting. See Section 3 for weight percent.

#### International Inventories:

Australia: The substance(s) in this product is/are in compliance with the inventory requirements of Australian Inventory of Chemical Substances (AICS)

United States EPA Toxic Substance Control Act: All constituents of this product are on the TSCA inventory list or are excluded from listing.

Canadian Environmental Protection Act (CEPA): All constituent(s) of this product is/are on the Domestic Substance List (DSL).

### 15.2. Chemical safety assessment

#### Chemical safety assessment

No data available

#### Other

Read and understand the manufacturer's instructions, your employer's safety practices and the health and safety instructions on the label. Observe any federal and local regulations. Take precautions when welding and protect yourself and others.

WARNING: Welding fumes and gases are hazardous to your health and may damage lungs and other organs. Use adequate ventilation.

ELECTRIC SHOCK can kill. ARC RAYS and SPARKS can injure eyes and burn skin.

Wear correct hand, head, eye and body protection.



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## SECTION 16: Other information

### Changes to previous revision

This Safety Data Sheet has been revised due to modifications to Sections 1-16.

### References to key literature and data sources

Refer to ESAB "Welding and Cutting - Risks and Measures", F52-529 "Precautions and Safe Practices for Electric Welding and Cutting" and F2035 "Precautions and Safe Practices for Gas Welding, Cutting and Heating" available from ESAB, and to: [www.esab.com](http://www.esab.com)

### Other

### Additional information

USA: Contact ESAB at [www.esabna.com](http://www.esabna.com) or 1-800 ESAB-123 if you have any questions about this SDS. American National Standard Z49.1 Safety in Welding and Cutting, ANSI/AWS F1.5 Methods for Sampling and Analyzing Gases from Welding and Allied Processes, ANSI/AWS F1.1 "Method for Sampling Airborne Particles Generated by Welding and Allied Processes", AWSF3.2M/F3.2 "Ventilation Guide for Weld Fume", 550 North Le Jeune Road, Miami Florida 33135. Safety and Health Fact Sheets available from AWS at [www.aws.org](http://www.aws.org).

OSHA Publication 2206 (29 C.F.R. 1910), U.S. Government Printing Office, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954

American Conference of Governmental Hygienists (ACGIH), Threshold Limit Values and Biological Exposure Indices, 6500 Glenway Ave., Cincinnati, Ohio 45211, USA.

NFPA 51B "Standard for Fire Prevention During Welding, Cutting and Other Hot Work" published by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169

UK: WMA Publication 236 and 237, "Hazards from Welding fume", "The arc welder at work, some general aspects of health and safety".

Germany: Accident prevention regulation BGV D1, "Welding, cutting and related procedures"

Canada: CSA Standard CAN/CSA-W117.2-01 "Safety in Welding, Cutting, and Allied Processes".

This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

ESAB requests the users of this product to study this Safety Data Sheet (SDS) and become aware of product hazards and safety information. To promote safe use of this product a user should: notify its employees, agents and contractors of the information on this SDS and any product hazards/safety information.furnish this same information to each of its customers for the products

Request such customers to notify employees and customers for the same product hazards and safety information.

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